

SEQUENCE LISTING

<110> Van Nest, G.

<120> METHODS OF MODULATING AN IMMUNE RESPONSE
USING IMMUNOSTIMULATORY SEQUENCES AND COMPOSITIONS FOR USE
THEREIN

<130> 377882000800

<140> Herewith

<141>

<150> 60/149,768

<151> 1999-08-19

<160> 12

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 1

tgactgtgaa cgttcgagat ga

22

<210> 2

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 2

tgaccgtgaa cgttcgagat ga

22

<210> 3

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 3

tcattctgaa cgttccacag tca

23

<210> 4

<211> 22

<212> DNA

Figure 1 displays 12 histograms, labeled x_0 through x_{11} , showing the distribution of the number of non-zero elements in the vector x_k . The x-axis represents the number of non-zero elements (0 to 10), and the y-axis represents the count (0 to 10). The distributions are roughly bell-shaped and centered around 5, with the peak count increasing from 10 at x_0 to 12 at x_{11} .

<223> Synthetic construct

tgactgtgaa cgttccagat ga

22

<211> 26

<212> DNA

<213> Artificial Sequence

<223> Synthetic construct

tccataacgt tgcctaacg ttcgtc

26

<211> 22

<212> DNA

<213> Artificial Sequence

<221> modified base

$$\langle 222 \rangle \quad (11) \dots (\bar{1}1)$$

<223> N = 5-bromocytosine

<223> Synthetic construct

tgactgtgaa ngttccagat ga

22

<211> 22

<212> DNA

<213> Artificial Sequence

<221> modified base

 $\langle 222 \rangle \quad (11) \dots (\bar{1}\bar{1})$

<223> N = 5-bromocytosine

<223> Synthetic construct

tgactgtgaa ngttcgagat ga

22

<211> 22

<212> DNA

<213> Artificial Sequence

<221> modified base

 $\langle 222 \rangle \quad (11) \dots (\bar{1}5)$

<223> 'N = 5-bromocytosine

<223> Synthetic construct

<400> 8

tgactgtgaa ngttngagat ga

22

<210> 9

<211> 24

<212> PRT

<213> Unknown

<220>

<223> Synthetic construct using Influenza virus

<400> 9

Phe Trp Arg Gly Glu Asn Gly Arg Lys Thr Arg Ser Ala Tyr Glu Arg
1 5 10 15

Met Cys Asn Ile Leu Lys Gly Lys
20

<210> 10

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Synthetic construct using Influenza virus

<400> 10

Thr Tyr Gln Arg Thr Arg Ala Leu Val
1 5

<210> 11

<211> 9

<212> PRT

<213> Infleunza Virus

<220>

<223> Synthetic construct using Influenza virus

<400> 11

Phe Glu Arg Phe Glu Ile Phe Pro Lys
1 5

<210> 12

<211> 9

<212> PRT

<213> Infleunza Virus

<220>

<223> Synthetic construct using Influenza virus

<400> 12

Ile Tyr Ser Thr Val Ala Ser Ser Leu
1 5